

✓ REPLACEMENT CLAIMS

Please substitute the following claims for the pending claims:

1. (Once Amended) A speech recognition system comprising:

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a speech recognition engine to recognize an utterance, the speech recognition engine being configured to actively listen for the utterance for a predetermined response time, the speech recognition engine being configured to enter a dormant state if the utterance is not recognized within the predetermined amount of time, the speech recognition system remaining in the dormant state until recognition of a starter word that is independent of the utterance; and

a user interface to provide visual and auditory feedback indicating whether the speech recognition engine recognizes the utterance, the user interface being configured to: (a) play an audible sound indicating recognition of the utterance; (b) display a countdown graphic that changes with lapsing of the predetermined response time; (c) restart the countdown graphic in the event the speech recognition engine recognizes the utterance.

3. (Unchanged) A speech recognition system as recited in claim 1, wherein the response time is configurable.

4. (Unchanged) A speech recognition system as recited in claim 1, wherein the user interface displays visual elements in a first color and briefly changes to a second color in the event the speech recognition engine recognizes the utterance.

1 5. (Unchanged) A speech recognition system as recited in claim 1,
2 wherein the countdown graphic comprises a progress bar that shortens as the
3 response time diminishes.

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5 6. (Unchanged) A speech recognition system as recited in claim 1,
6 wherein the user interface plays another audible sound when the response time has
7 elapsed.

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9 7. (Unchanged) A speech recognition system as recited in claim 1,
10 wherein the speech recognition engine is initially in a sleep mode and is awakened
11 to an active mode upon detection of a starter utterance, the user interface plays
12 another audible sound indicating that the speech recognition engine is in the active
13 mode in the event the speech recognition engine recognizes the starter utterance.

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15 8. ^{Twice}~~Once~~ Amended) A speech recognition system as recited in claim 1,
16 wherein the speech recognition engine is initially in a sleep mode and is awakened
17 to an active mode upon depression of a button, the user interface plays another
18 audible sound indicating that the speech recognition engine is in the active mode
19 in the event the speech recognition engine recognizes a starter utterance.
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1 9. (Twice Amended) A speech recognition system comprising:
2 an application;
3 a vocabulary accessible by the application, the vocabulary holding a set of
4 utterances applicable to the application;
5 a grammar that holds a subset of the utterances in the vocabulary;
6 a speech recognition engine to recognize the utterances in the grammar
7 within a predetermined response time, the speech recognition engine being
8 configured to enter a dormant state if the utterances are not recognized within the
9 predetermined response of time; and
10 a user interface to display a countdown graphic that changes with lapsing of
11 the response time, wherein the user interface restarts the countdown graphic in the
12 event the speech recognition engine recognizes the one of the utterances.

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14 11. (Unchanged) A speech recognition system as recited in claim 9,
15 wherein the user interface displays visual elements in a first color and briefly
16 changes to a second color in the event the speech recognition engine recognizes
17 one of the utterances.

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19 12. (Unchanged) A speech recognition system as recited in claim 9,
20 wherein the countdown graphic comprises a progress bar that shortens as the
21 response time diminishes.

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23 13. ^{Twice}~~(Once)~~ Amended) A speech recognition system as recited in claim 9,
24 wherein the user interface plays an audible sound when the speech recognition
25 engine recognizes one of the utterances within the predetermined response time.

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2 14. (Unchanged) A speech recognition system as recited in claim 9,
3 wherein the user interface plays an audible sound when the response time has
4 elapsed.

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6 15. (Unchanged) A speech recognition system as recited in claim 9,
7 wherein the speech recognition engine is initially in a sleep mode and is awakened
8 to an active mode upon detection of a starter utterance, the user interface plays
9 another audible sound indicating that the speech recognition engine is in the active
10 mode in the event the speech recognition engine recognizes the starter utterance.

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12 16. (Unchanged) An entertainment system incorporating the speech
13 recognition system as recited in claim 9.

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15 17. (Unchanged) A computing device incorporating the speech
16 recognition system as recited in claim 9.
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1 18. (Twice Amended) A user interface for an speech recognition system,
2 the user interface comprising:
3 a display; and
4 a graphic progress bar shown on the display that indicates a response time
5 in which the speech recognition system is awaiting a user to speak, the progress
6 bar shortening with passage of the response time, wherein the graphic progress bar
7 is lengthened to its initial position after each recognized user input, wherein the
8 user interface plays an audible sound when the speech recognition engine
9 recognizes one of the utterances within the predetermined response time, and
10 wherein the user interface indicates that the speech recognition engine is in a
11 dormant state when at least one of the utterances is not recognized within the
12 predetermined response of time.

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14 20. (Unchanged) A user interface as recited in claim 18, wherein the
15 graphic progress bar briefly changes color when a user input is recognized.

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17 21. (Unchanged) A speech recognition system incorporating the user
18 interface as recited in claim 18.

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20 22. (Unchanged) A computing device incorporating the user interface as
21 recited in claim 18.
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23. (Once Amended) A user interface for an speech recognition system,
the user interface comprising:

a display;

an audio input to receive audible utterances;

a graphic shown on the display that indicates a fixed response time in
which the speech recognition system is awaiting receipt of an utterance via the
audio input, the graphic diminishing in size with the passage of time, the graphic
returning to an original size after each recognized utterance; and

an audio generator to emit a first audible sound when the speech
recognition system recognizes the utterance, the audio generator being further
configured to emit a second audible sound when the fixed response time has
expired before the utterance has been recognized, the second sound indicating that
the speech recognition system has entered a dormant state.

24. (Unchanged) A user interface as recited in claim 23, wherein the
audio generator emits a second audible sound when the speech recognition system
fails to recognize the utterance within the response time.

25. (Unchanged) A speech recognition system incorporating the user
interface as recited in claim 23.

26. (Unchanged) A computing device incorporating the user interface as
recited in claim 23.

27. (Once Amended) A vehicle computer system comprising:
a computer;
an open platform operating system executing on the computer, the
operating system being configured to support multiple applications; and
a speech recognition system to detect utterances used to control at least one
of the applications running on the computer, the speech recognition system having
a user interface to provide visual and auditory feedback indicating whether an
utterance is recognized, the user interface being configured to play a first audible
sound indicating recognition of the utterance and to display a graphic that
diminishes in size from an original size with the passage of time, the graphic
returning to the original size after each recognized utterance, the user interface
being further configured to emit a second audible sound when a predetermined
response time has expired before the utterance has been recognized, the second
sound indicating that the speech recognition system has entered a dormant state.

28. (Unchanged) A vehicle computer system as recited in claim 27,
wherein the user interface restarts the graphic in the event the utterance is
recognized.

29. (Unchanged) A vehicle computer system as recited in claim 27,
wherein the user interface displays visual elements in a first color and briefly
changes to a second color in the event the utterance is recognized.

1 30. (Unchanged) A vehicle computer system as recited in claim 27,
2 wherein the graphic comprises a progress bar that shortens as the response time
3 passes.

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5 31. (Unchanged) A vehicle computer system as recited in claim 27,
6 wherein the user interface plays another audible sound when the response time has
7 elapsed.

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9 32. (Unchanged) A vehicle computer system as recited in claim 27,
10 wherein the speech recognition system is initially in a sleep mode and is awakened
11 to an active mode upon detection of a starter utterance, the user interface plays
12 another audible sound indicating that the speech recognition system is in the active
13 mode in the event the starter utterance is recognized.

1 33. (Twice Amended) A collaboration system involving multiple
2 interconnected devices comprising:

3 a voice input mechanism resident at each of the devices;

4 an audio output system resident at each of the devices; and

5 a user interface to provide visual and auditory feedback indicating when a
6 party located at one of the devices can speak, the user interface being configured
7 to play an audible sound when the party can begin speaking and to display a
8 graphic that changes with lapsing of time to indicate a duration that the party can
9 speak, the graphic diminishing in size from an original size with the passage of
10 time, the graphic returning to the original size after each recognized utterance,
11 wherein the user interface plays an audible sound upon recognizing an utterance
12 within the duration that the party can speak, the user interface emitting a second
13 audible sound when the duration has expired before the utterance has been
14 recognized, the second sound indicating that the speech recognition system has
15 entered a dormant state.

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34. (Twice Amended) A method for operating a speech recognition system, comprising the following steps:

initiating a response time in which to receive an audible utterance;

displaying a graphic representing the response time;

playing a first sound when an audible utterance is recognized;

changing the graphic to indicate passage of the response time such that the graphic diminishes in size from an original size with the passage of time;

responsive to recognizing an utterance, presenting the graphic in the original size; and

responsive to expiration of the response time before the audible utterance has been recognized, emitting a second sound to indicate that the speech recognition system has entered a dormant state.

35. (Unchanged) A method as recited in claim 34, wherein the displaying and changing steps comprise the steps of depicting a progress bar and shortening the progress bar as the response time passes.

37. (Unchanged) A method as recited in claim 34, further comprising the step of changing a color of the graphic when an audible utterance is recognized.

39. (Unchanged) A method as recited in claim 34, further comprising the step of playing a sound when no audible utterance is recognized within the response time.